

THANK YOU FOR PURCHASING A CORE STOVE!

The Core Stove is a wood burning stove that burns its own exhaust. Afterburner plates guide fresh superheated air to the top of the stove's exhaust port and inject it into the exhaust. The Top Lit Updraft (TLUD) plate slows the exhaust, focuses it and works with the afterburners to burn any smoke that tries to escape once the unit reaches operating temperature. The stove is built to last a lifetime and if you happen to lose any of the parts, replacements are available online at <http://Shop.MySurvivalPack.com>

CORE 4 Bio-Reactor Assembly Instructions

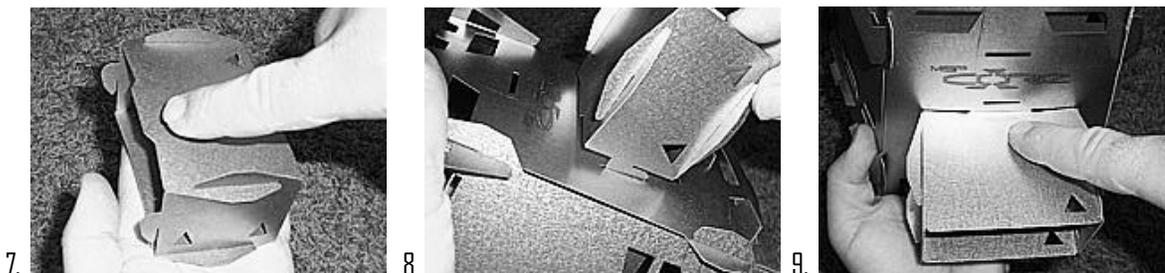
Assembly videos are available at <http://Shop.MySurvivalPack.com>



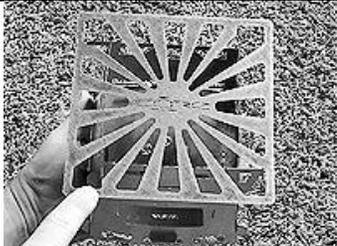
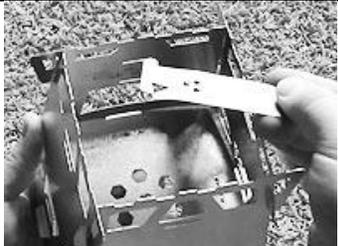
1. Install the afterburners into all side panels. The top tab goes in the slot at the top of the side panel. The bottom goes into the damper plate support hole.
2. To make it easier, press the top of the side panel against something hard and push down with your thumbs to get the tab into the hole.
3. Make sure to install the afterburner plates on the same side of all three side panels.



4. Hook the tabs of the three side panels together. Insert the burn plate tabs into the slot near the bottom of each panel.
Then insert the tabs of the TLUD plate into the side panel pot support/exhaust holes making sure that the side with no tab is facing the front panel.
5. If using the heat shield panel, insert the tabs of the heat shield into the bottom ports of each side panel before adding the front panel.
6. Attach front panel and maneuver the burn plate and heat shield tabs into their corresponding slots and slide the hooks together to complete.



7. Assemble rocket port hooks facing downward with curved plate on bottom facing the hooks, and tabbed plate on top, tab facing the hooks.
8. Slide the rocket port hooks into the slots on either side of the fuel port.
9. Push the tab on top of the fuel port down until it snaps into the fuel port itself. (the slot above the fuel port is for the door)

			
<p>GRILL TIP: The grill was designed to fit on the stove without the TLUD plate. Each beam fits into a notch in the top of the panel. The CORE logo orientation will vary depending on which way the stove is assembled. The grill is thin to be weight efficient and may warp while in use. Allow it to cool naturally and it will return to its original shape.</p>	<p>DOOR TIP: The Door hinge slot is above the fuel port. Insert the door hinge into the slot at an angle and then slide it over as far in the slot as it will go. Then rotate the rest of the hinge into the slot.</p>	<p>FUEL TAB MODULE TIP: The fuel tab module fits into one of the afterburner slots with its leg towards the bottom. Bend its small support leg down a few degrees and insert the 'T' into the slot in the side panel at an angle and rotate it into the slot. Then center the module. The clip cut into the tab is designed to hold a solid fuel tab container made from an aluminum or tin can.</p>	<p>DAMPER PLATE TIP: Damper plates hang over the top edge of the stove to block wind or can be used on the lower side ports by sliding them into the clip .</p>

GENERAL USE

The Core can be used with or without the afterburner and TLUD plates or even using only the side panels over a ground fire. Start a small pilot fire by top loading the stove with tinder and small sticks and slowly add larger sticks as the fire grows. The stove will begin to heat up and the flame will center itself in the middle of the TLUD plate. At this point the afterburners are superheating the air, burning the exhaust smoke and the stove is ready to cook on. Once the unit reaches operating temperature stuff the fuel port full of fuel and slowly push it in as it's consumed. The less space in the fuel port, the less fire will creep out. If using the Rocket Port it's not as critical to keep the fuel port full. Resting the door on the top of sticks in the fuel port helps guide heat into the stove. If the fire should go out and smoke profusely, it's possible to re-light the stove by placing a flame near the TLUD plate opening.

For full TLUD mode, assemble afterburners on the fuel port plate side to cover the fuel port and on two or more additional sides. Pack the stove with as much wood (or wood pellets) as you can through the TLUD plate, preferably standing on end. Light a small pilot fire on the top of the wood until the fuel inside the stove starts to burn. The key is to burn from the top down heating up the core of the stove so it starts to cook the fuel below. Sometimes placing your pot or pan on the stove will slow the draft and cause the burn chamber to heat up faster. Using this method burns can sometimes last over 1 hour without stoking or adding more fuel.

Black soot and tar will get on your cooking utensils when using this stove due to condensation triggered by the heat differential between the heat of the fire and the cool of the cooking surface. One method to remove this tar is to coat your cooking utensil with hand soap first or harden the tar by running the cooking utensil under ice cold water and then scrubbing it with a stainless steel scouring pad. Another method is to use the bottom heat shield plate as a griddle, setting your cooking utensil on top of the griddle to shield it from direct flame.

Options to clean your stove include running it under cold water and scrubbing it with a heavy duty scotch pad or just sand it with 60 or 80 grit paper and an orbital sander.

CAUTION (obligatory safety warning):

Be safe when using this stove. Never start a fire in this stove indoors. The stove gets very hot while in use and takes a couple minutes to cool down after the fire is out. Some edges may be sharp. Handle with care! Do not throw water on the stove while its hot to cool it down because it will turn into a twisted piece of art.